

TOGILS. LYOSII.

FIG.1 PRIOR ART

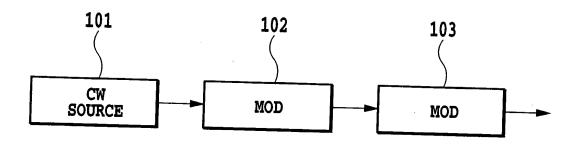
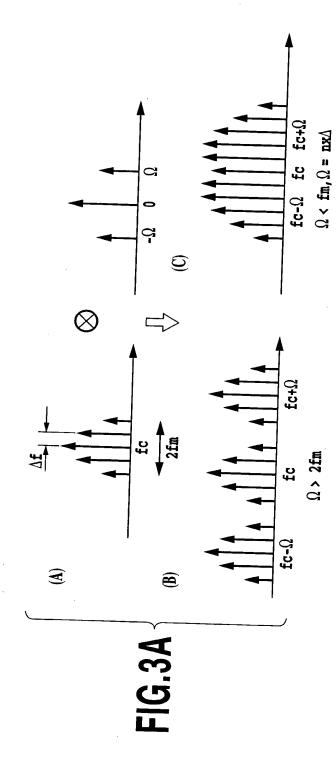
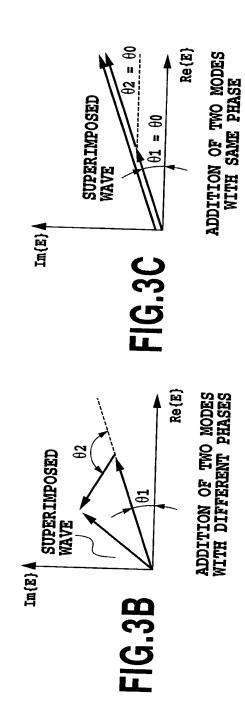


FIG.2



D99AAB33 . D7U6U1



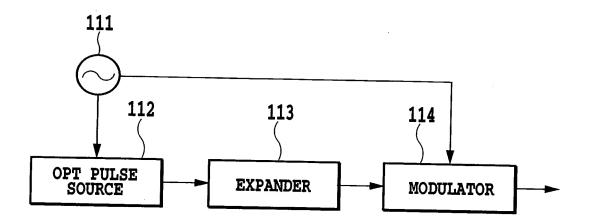


FIG.4

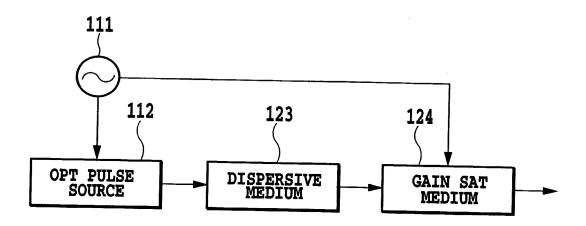


FIG.5

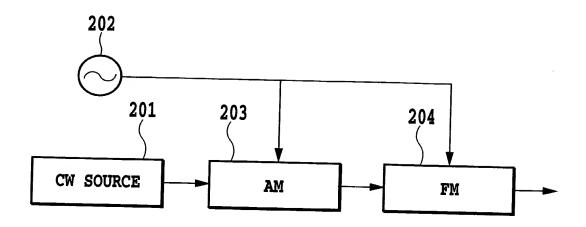
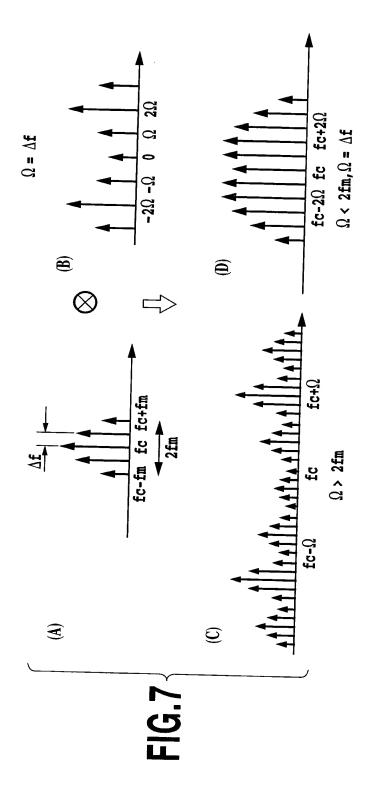


FIG.6



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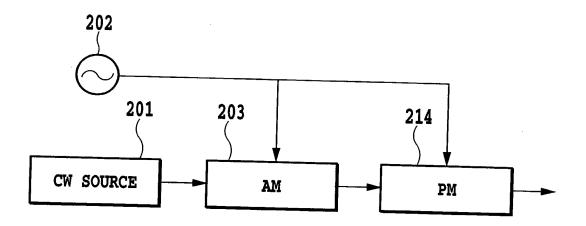


FIG.8

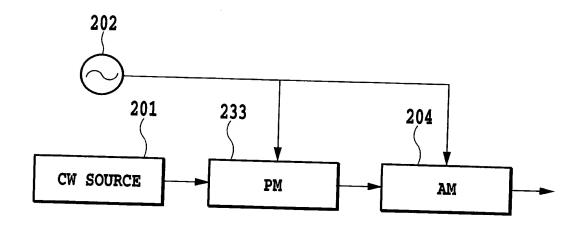


FIG.9

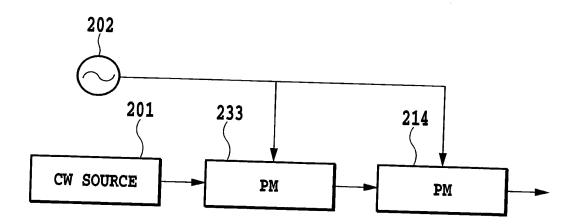


FIG.10

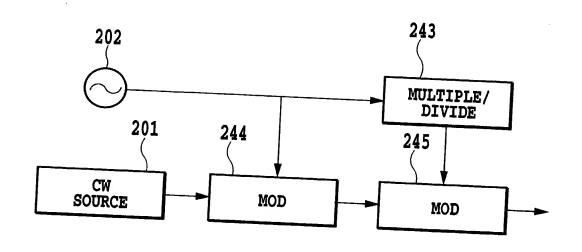


FIG.11

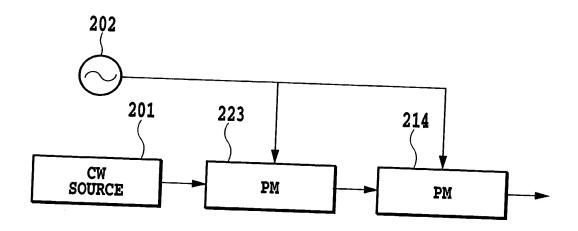


FIG.12

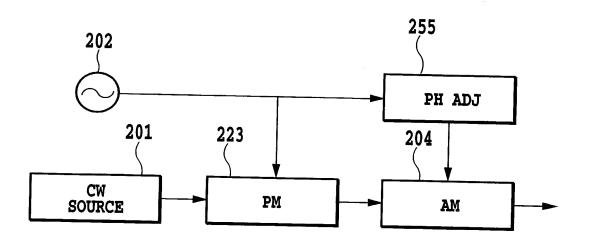


FIG.13

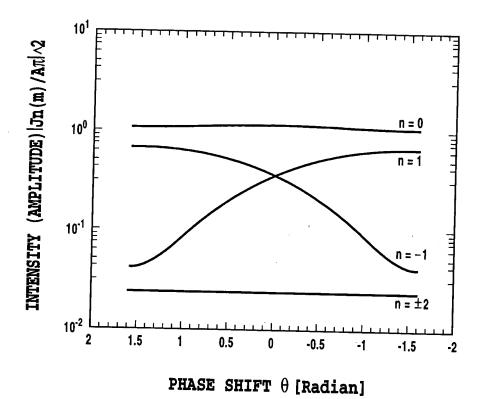
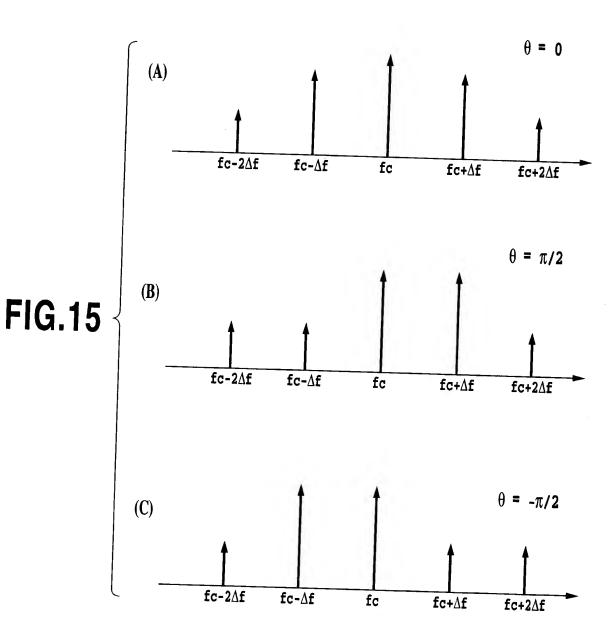


FIG.14



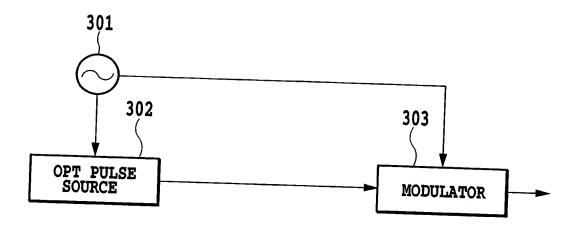


FIG.16

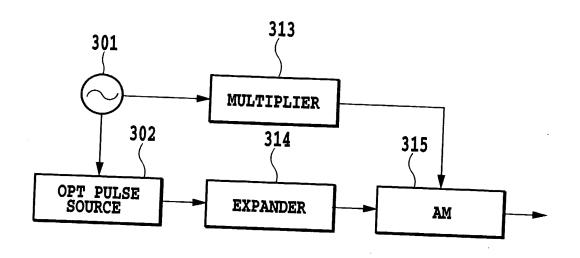


FIG.17

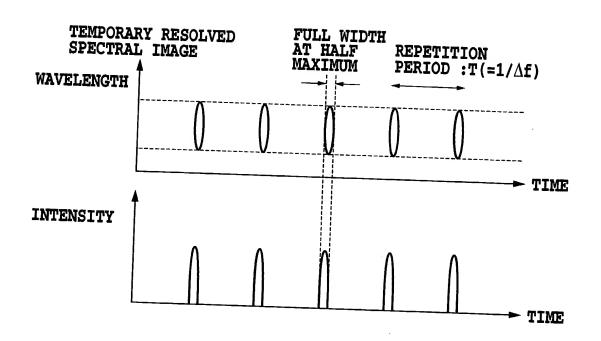


FIG.18

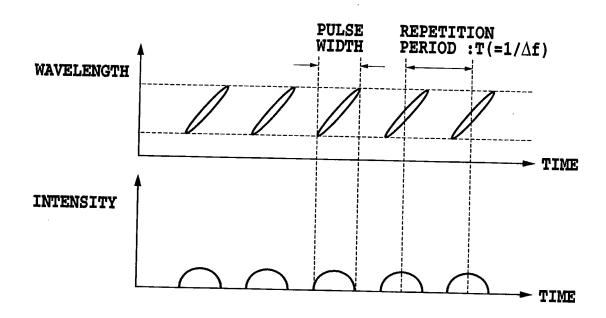


FIG.19

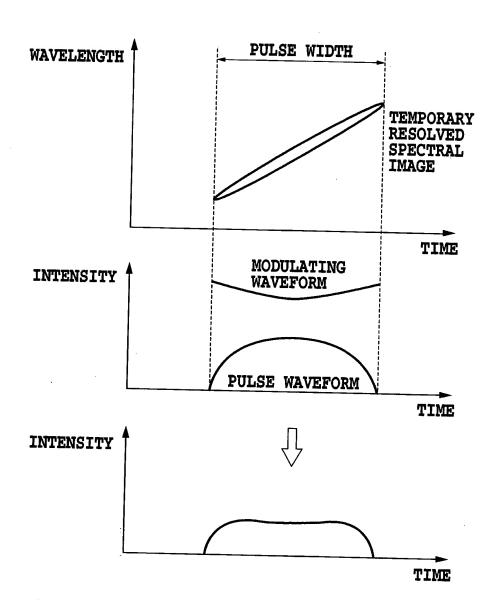


FIG.20

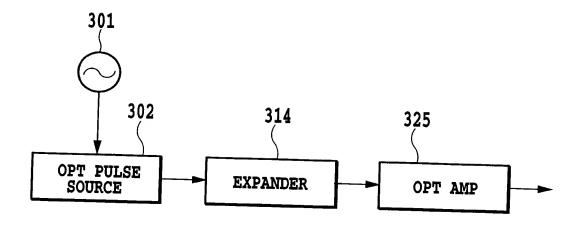


FIG.21

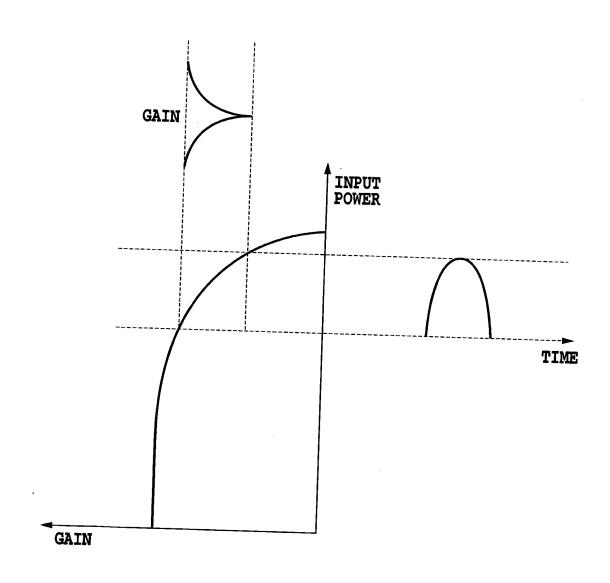


FIG.22

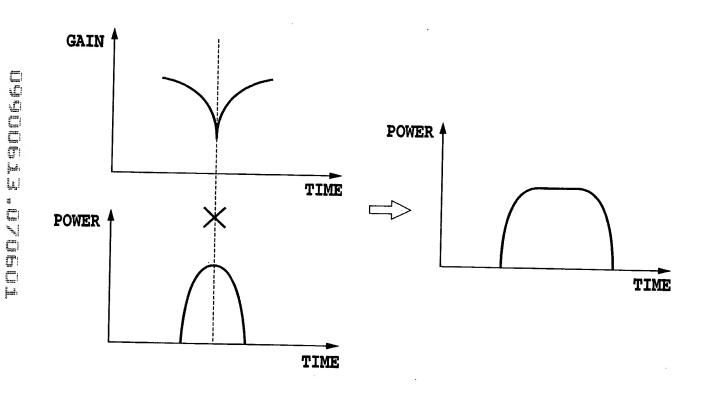


FIG.23

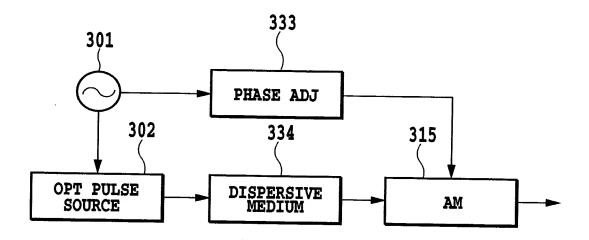


FIG.24

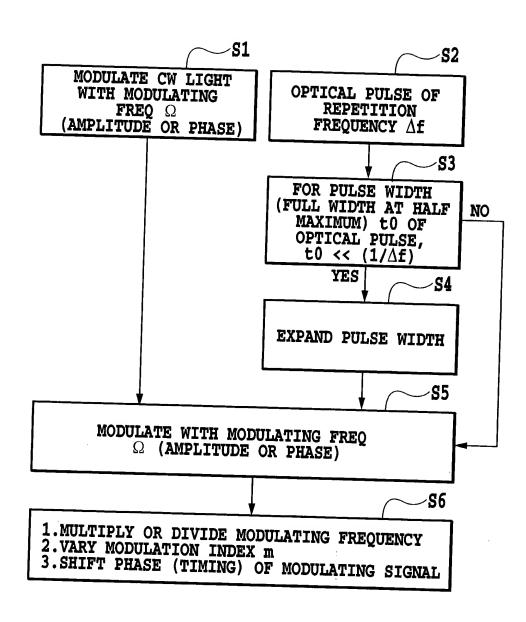


FIG.25

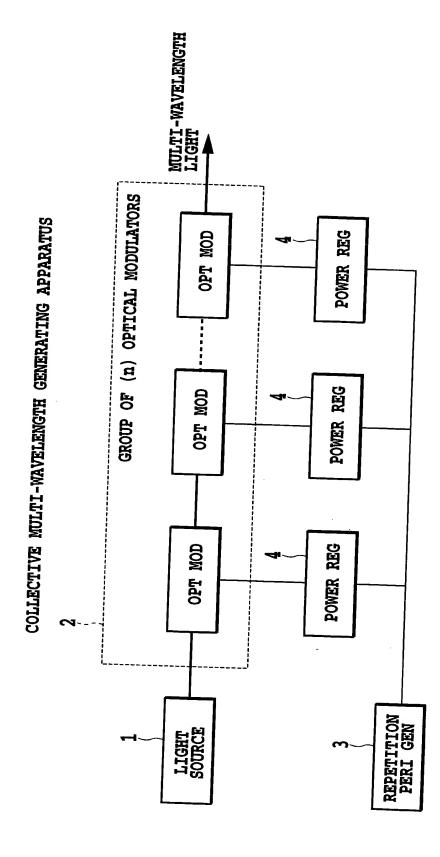
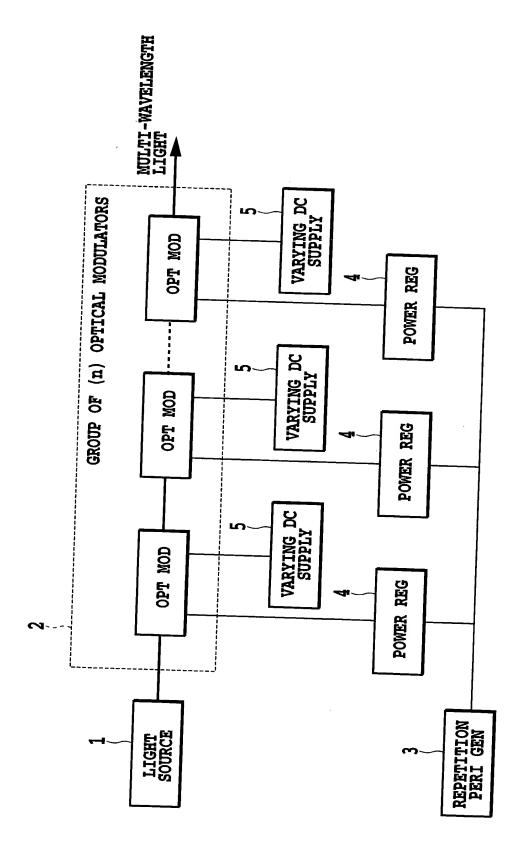
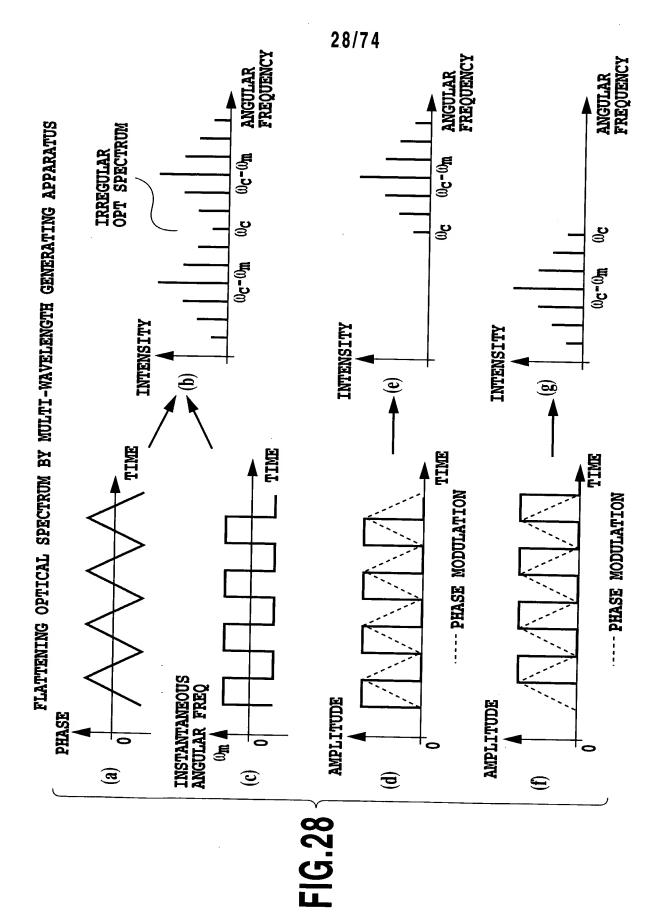


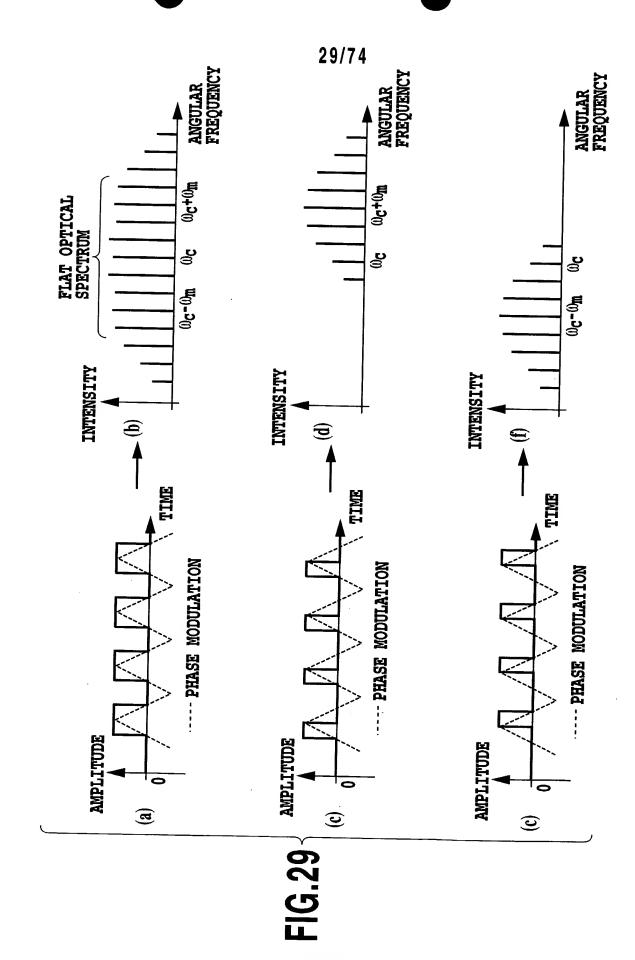
FIG.26

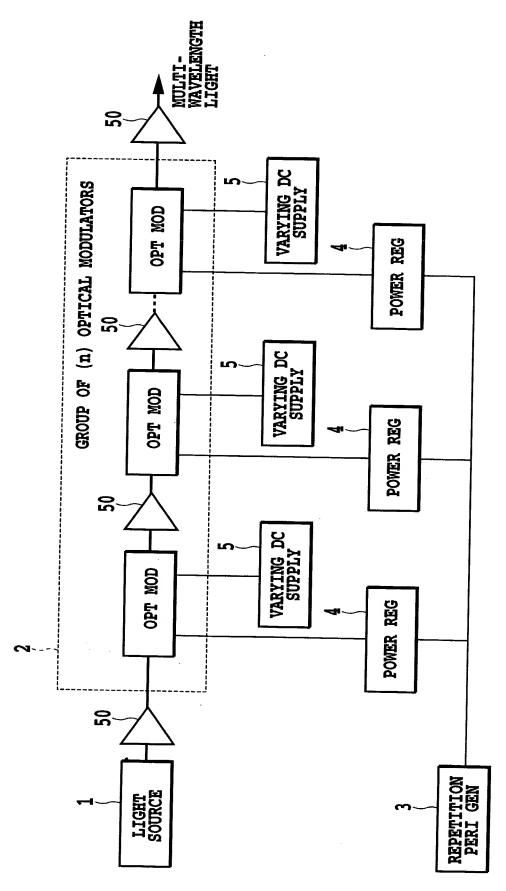


DGGUURIA D70501

FIG.27







DGGIIGAA G70601

FIG.30

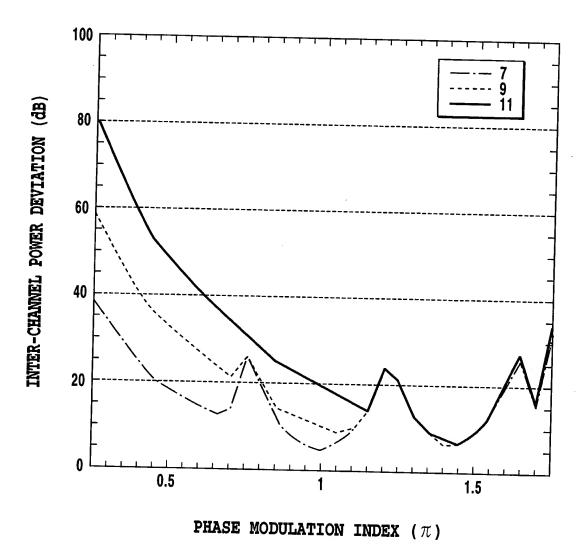
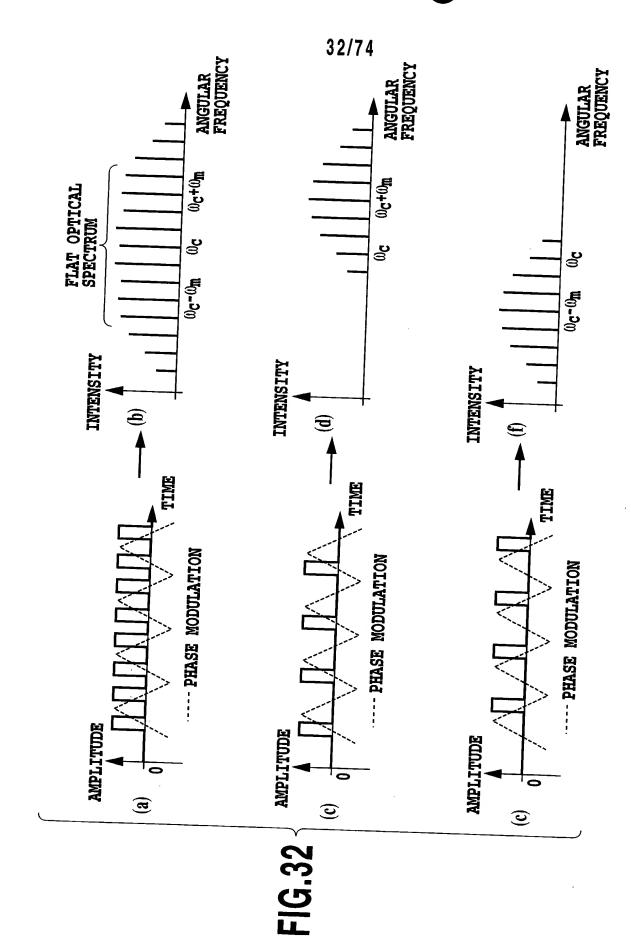
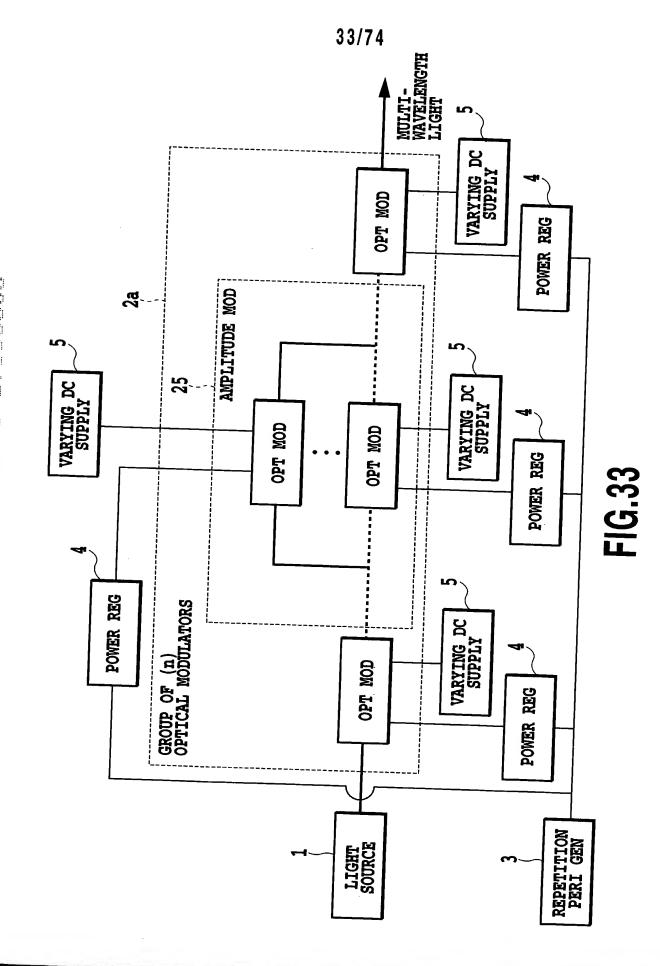


FIG.31





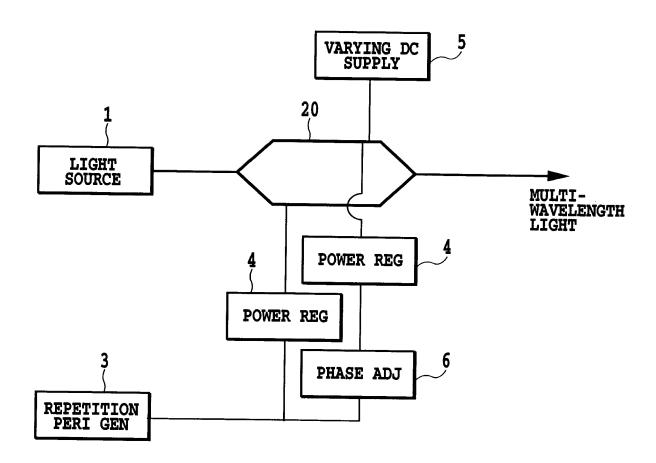


FIG.34

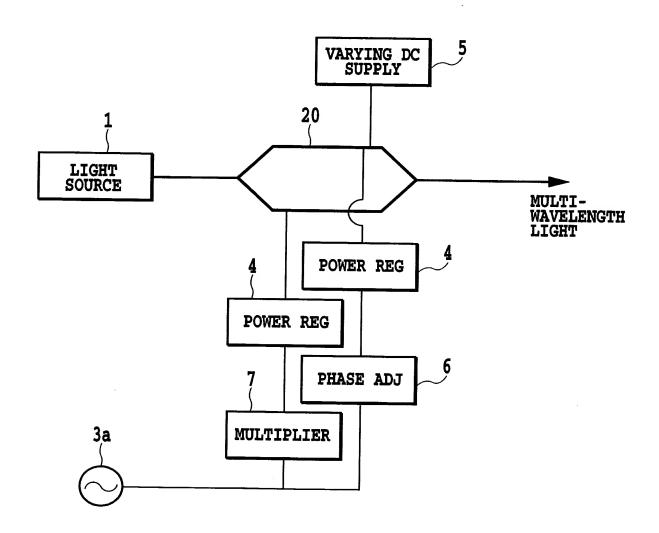


FIG.35

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FIG.36

EXPERIMENTAL RESULT USING MACH-ZEHNDER

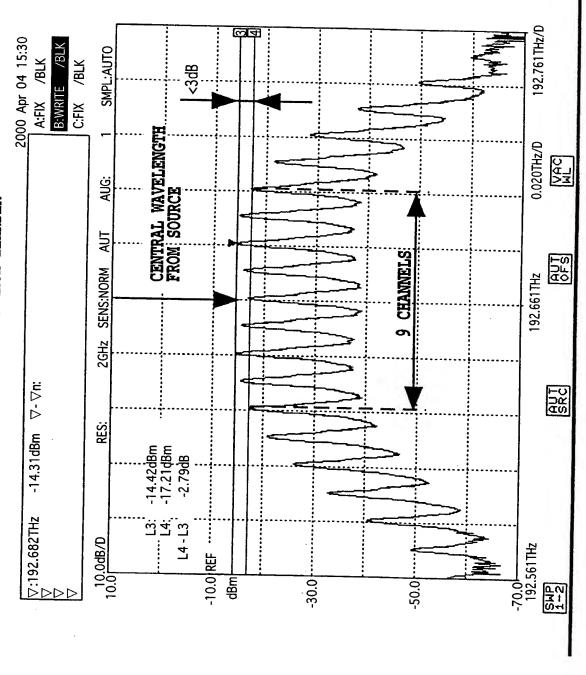


FIG.37

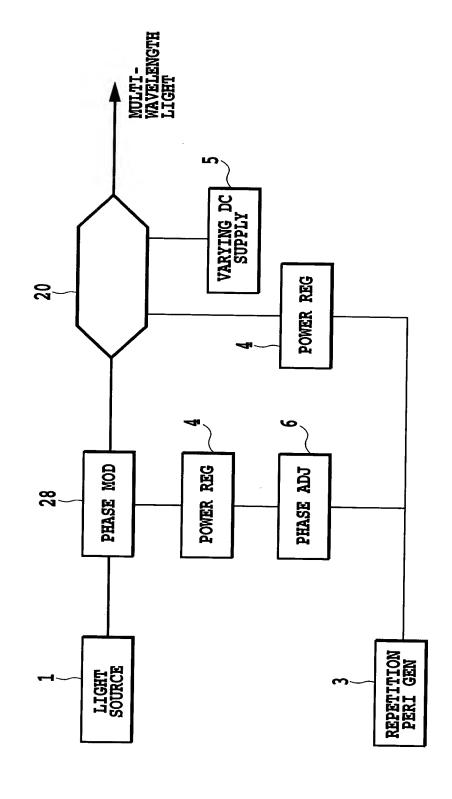
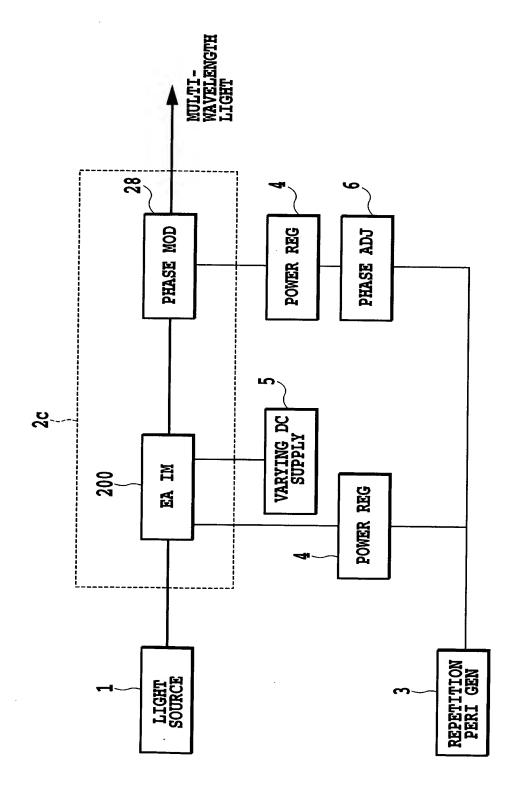


FIG.38

DSSIDELS INCOME



D9900613.U70601

FIG.39

FIG.40

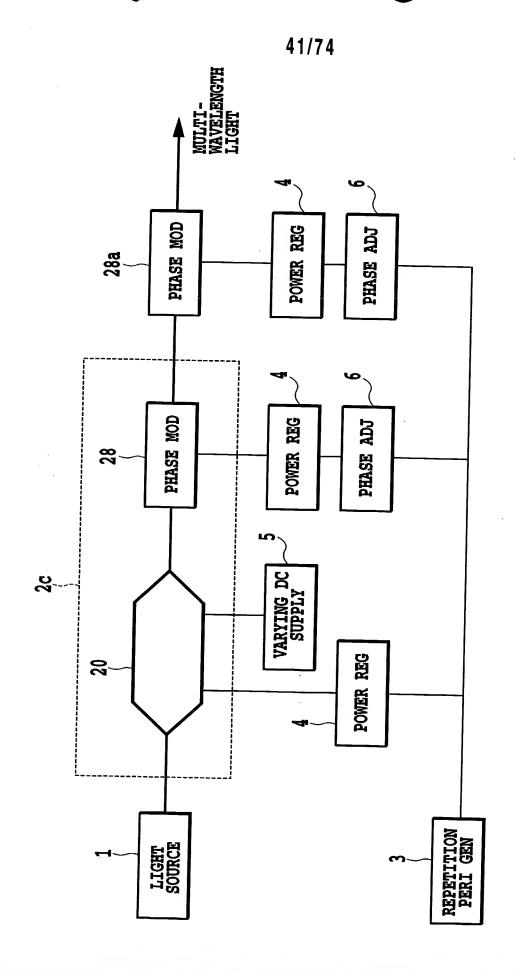


FIG.41

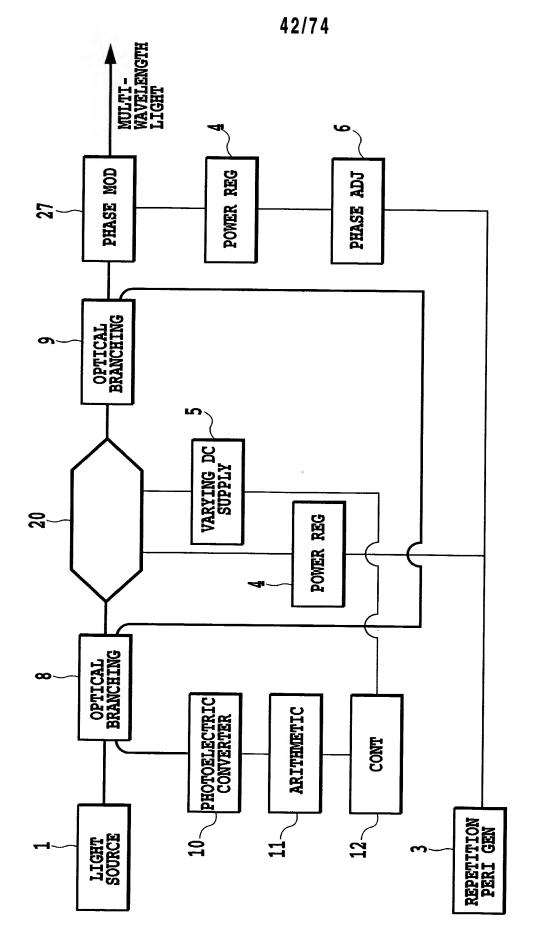


FIG.42

FIG.43

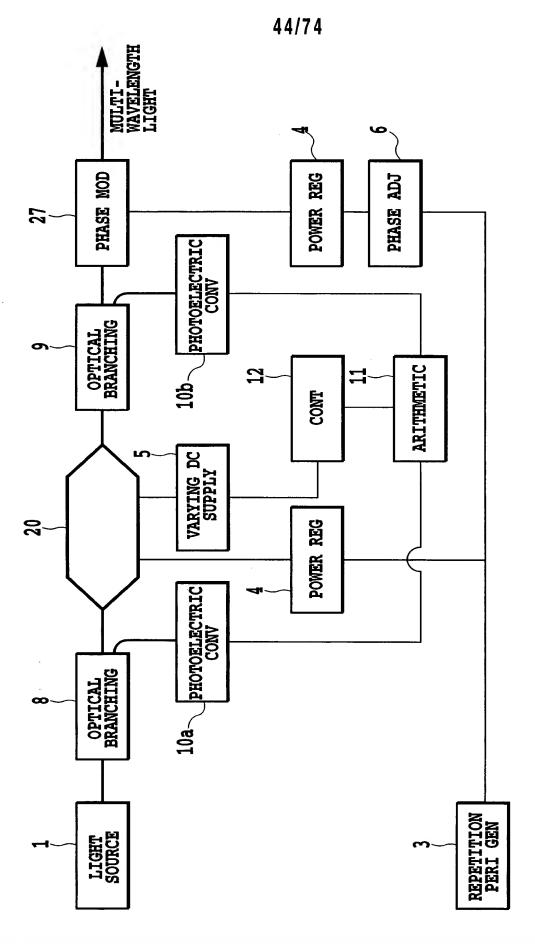


FIG.44

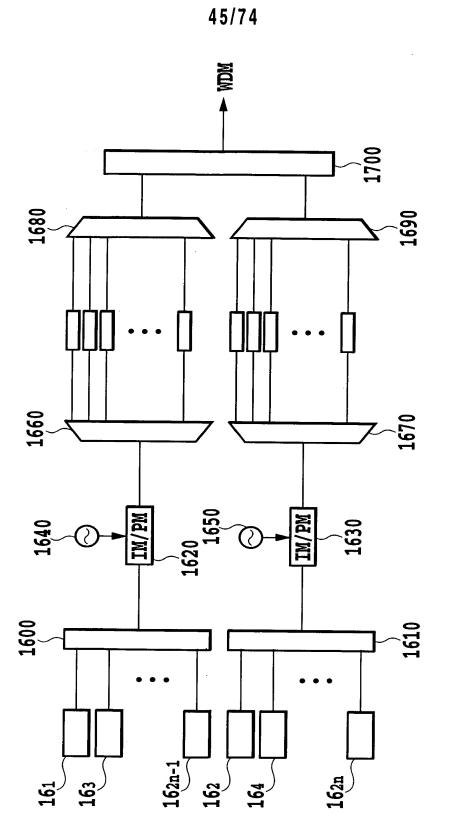


FIG.45

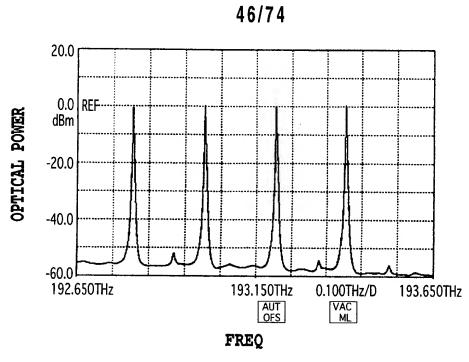


FIG.46A

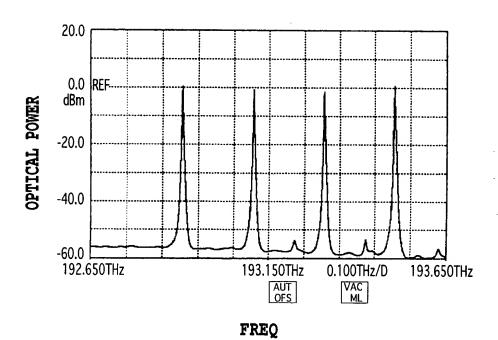


FIG.46B

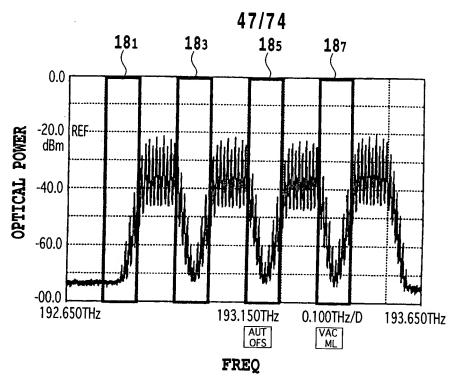


FIG.47A

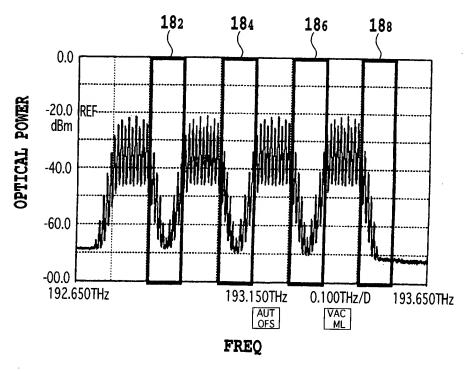
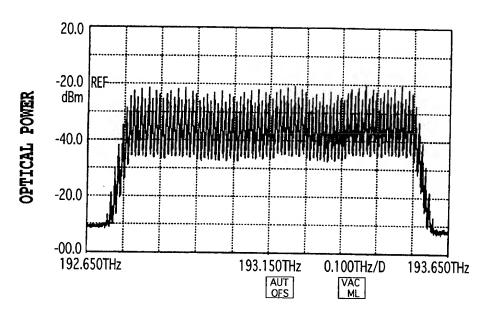


FIG.47B



FREQ

FIG.48

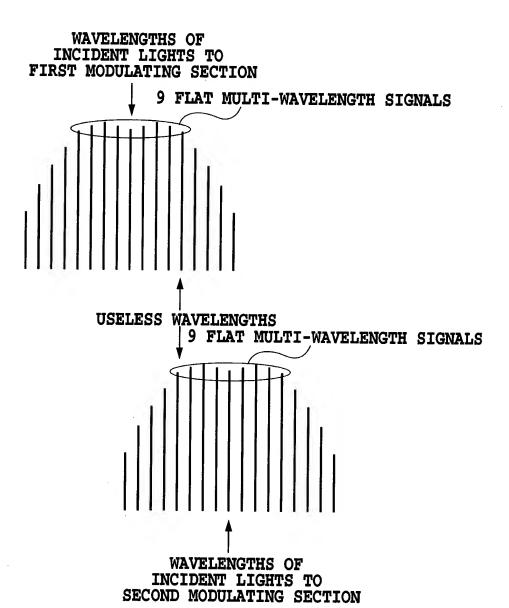


FIG.49A

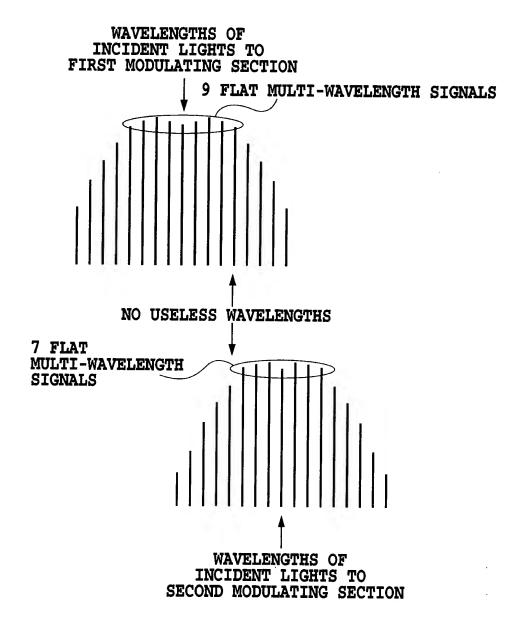


FIG.49B

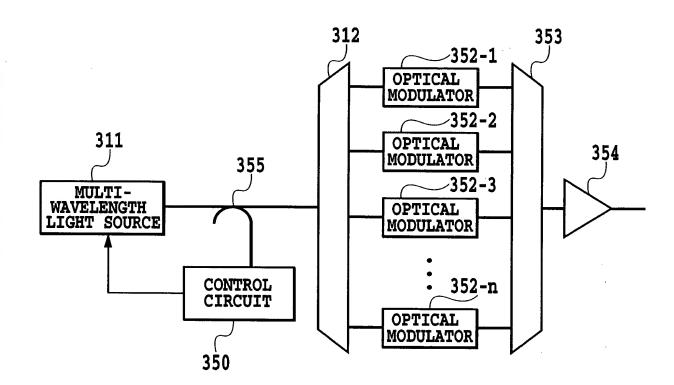


FIG.50

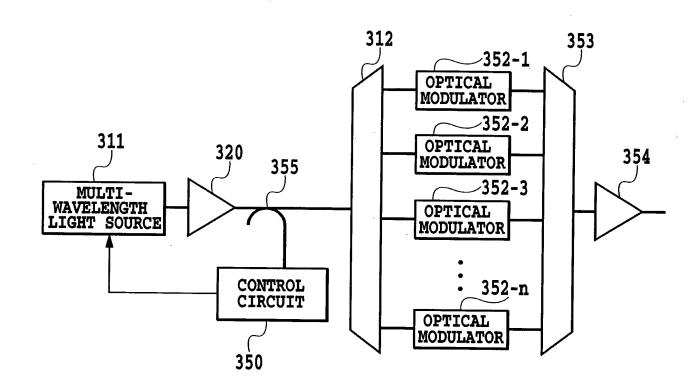


FIG.51

WAVELENGTH-MULTIPLEXED TRANSMISSION SYSTEM USING COHERENT MULTI-WAVELENGTH SIGNAL GENERATING APPARATUS

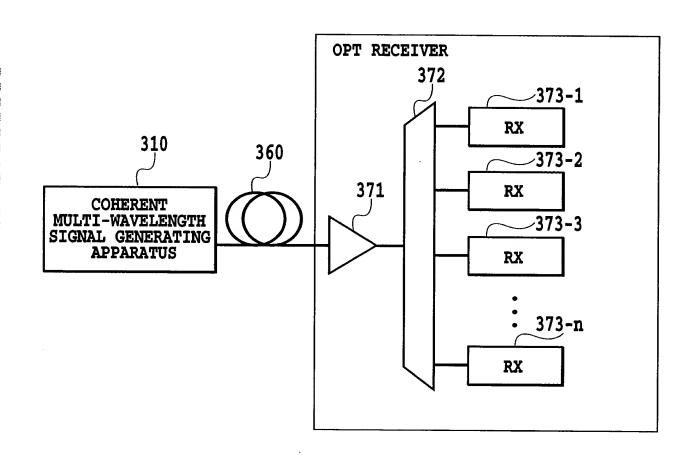
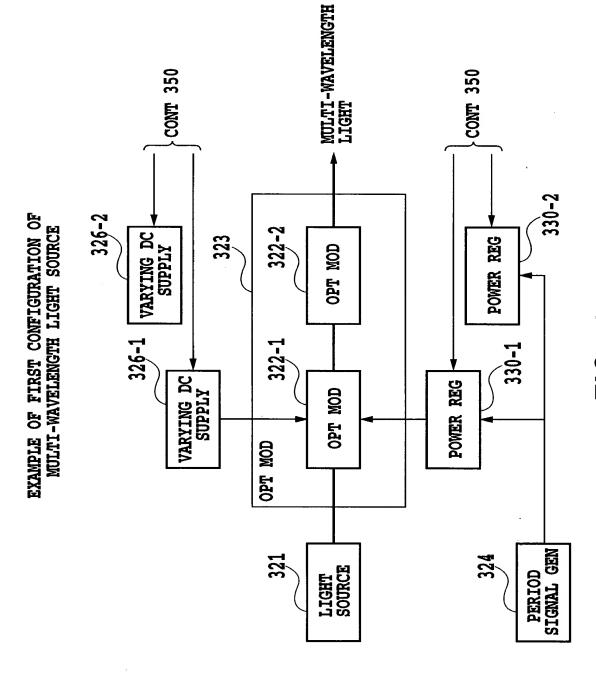


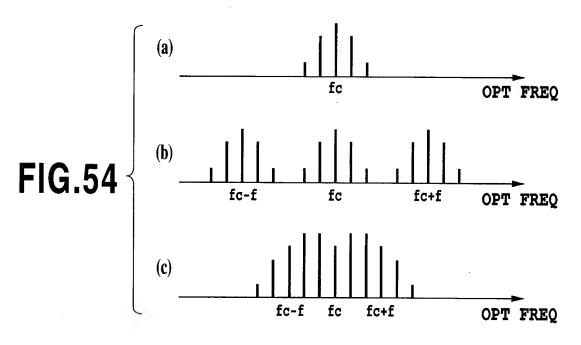
FIG.52



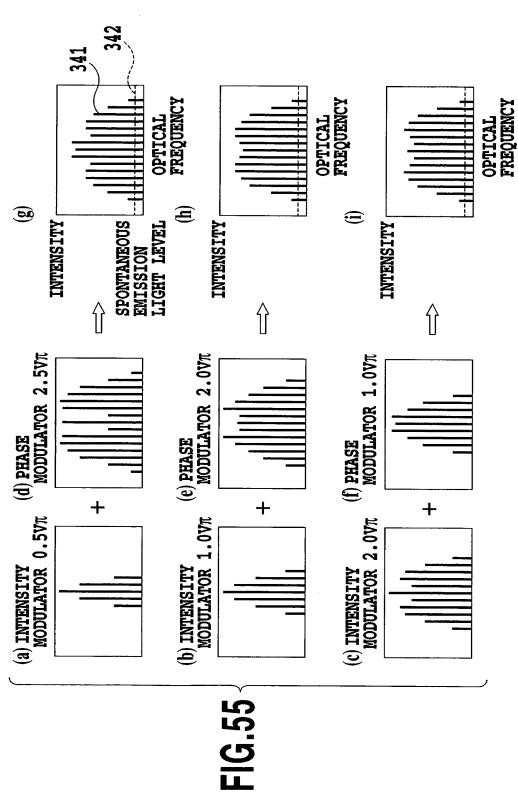
DESIDERA OF LEGA

FIG.53

FIG. 53 PRINCIPLE OF GENERATION OF MULTI-WAVELENGTH LIGHT FROM MULTI-WAVELENGTH LIGHT SOURCE



SHAPE CONTROL OF OPTICAL SPECTRUM USING INTENSITY AND PHASE MODULATORS AS OPTICAL MODULATING SECTION

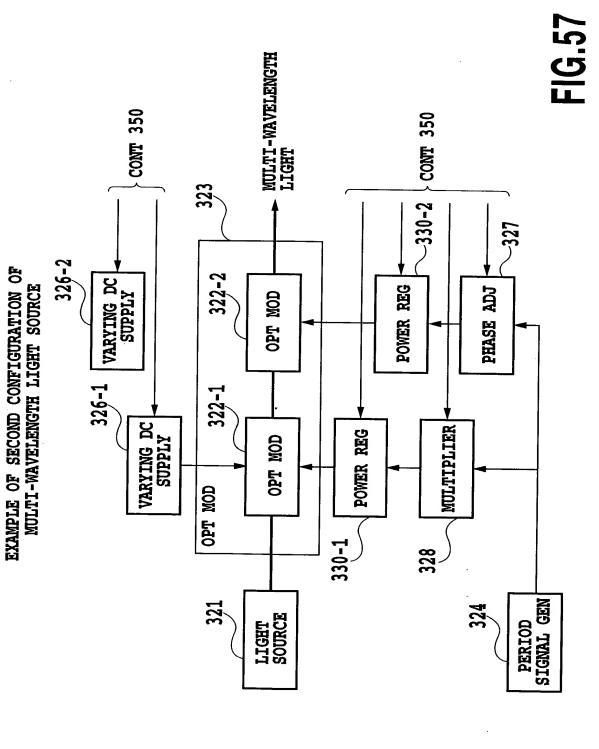


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OPTICAL SPECTRUM OF MULTI-WAVELENGTH LIGHT AMPLIFIED BY OPTICAL AMPLIFIER

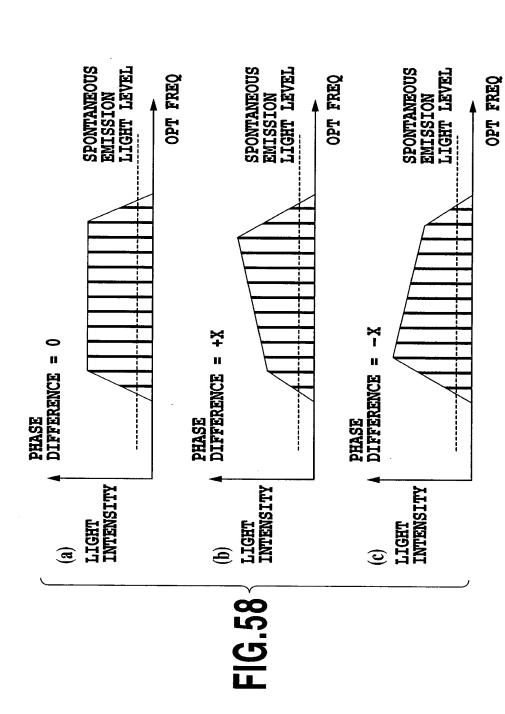
343:SPONTANEOUS EMISSION LIGHT GENERATED BY OPTICAL AMP WAVELENGTH 341:CARRIER 342:SPONTANEOUS EMISSION LIGHT ASSOCIATED WITH MULTI-WAVELENGTH SOURCE LIGHT INTENSITY (LOGARITHMIC AXIS)

FIG.56

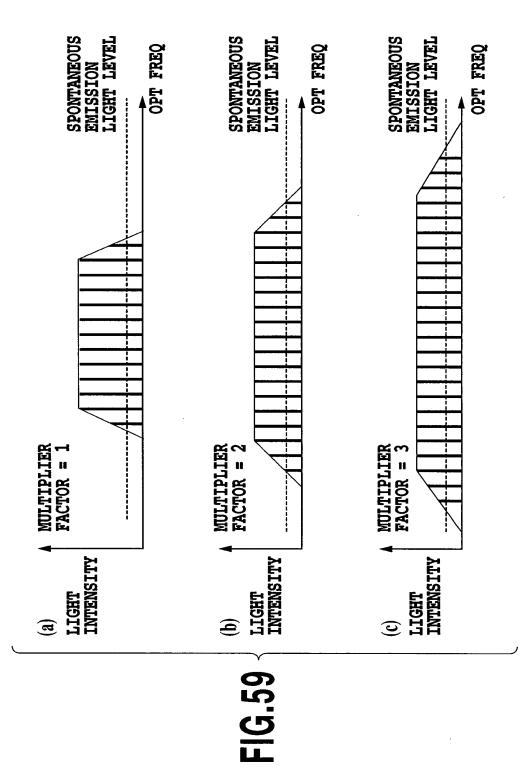


DOGIOSIE IVOSOI

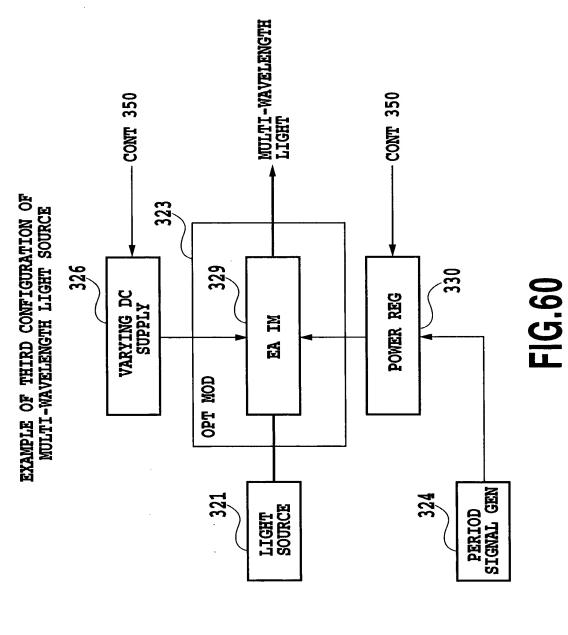




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SHAPE CONTROL OF OPTICAL SPECTRUM BY REGULATING PERIOD SIGNALS



WAVELENGTH

FIG.61

ISSIS IN THEIR

FOURTH EXAMPLE OF CONFIGURATION OF MULTI-WAVELENGTH LIGHT SOURCE

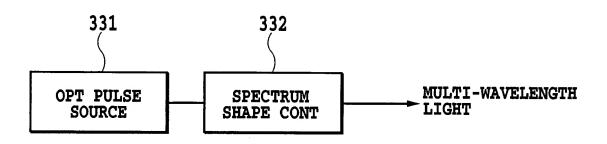


FIG.62

PRINCIPLE OF ADIABATIC COMPRESSION WITH DISPERSION REDUCING FIBER

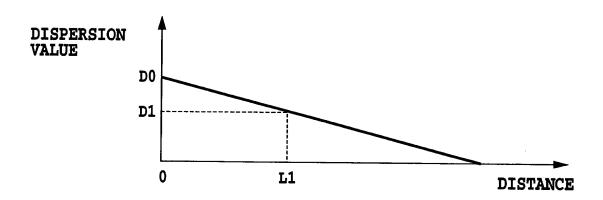


FIG.63A

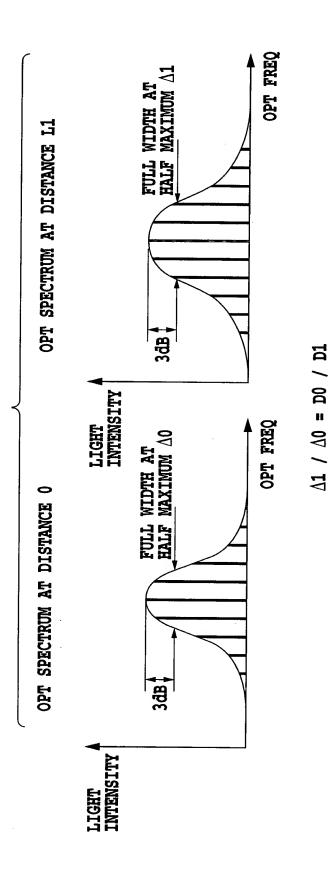


FIG.63B

RELATIONSHIP BETWEEN OPTICAL SPECTRUM OF COHERENT COMPONENTS OF MULTI-WAVELENGTH LIGHT AND TRANSMISSION CHARACTERISTIC OF DEMULTIPLEXER

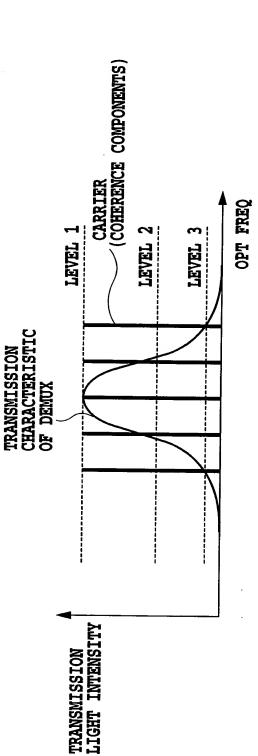


FIG.64

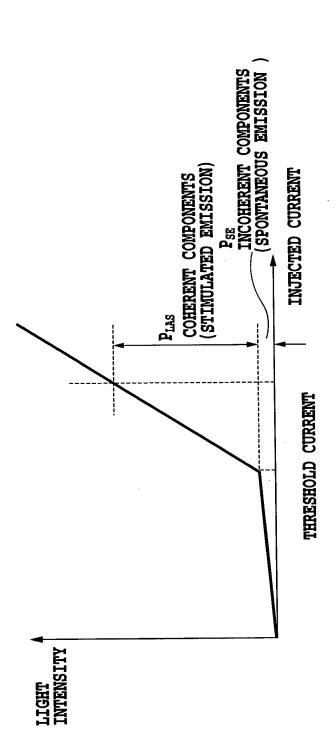


FIG.65

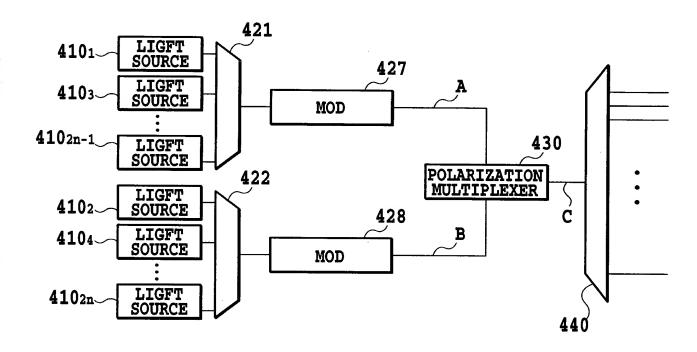
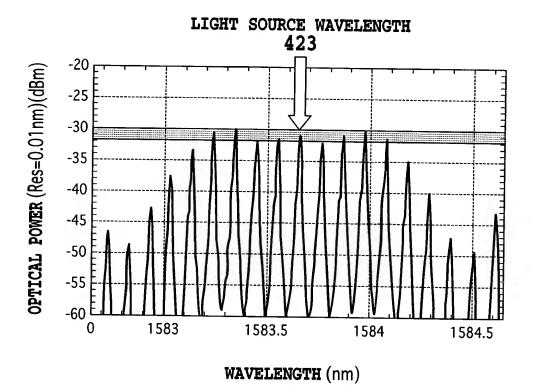
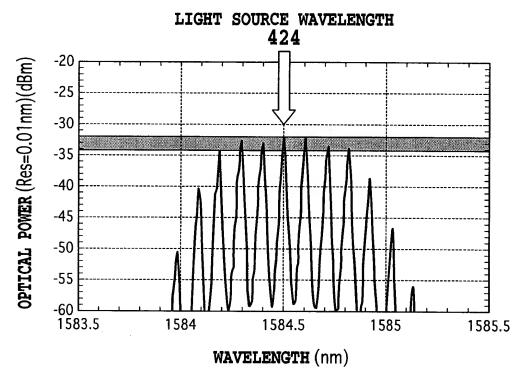


FIG.66



ODD-NUMBER-TH LIGHT SOURCE WAVELENGTH AND SIDE MODES

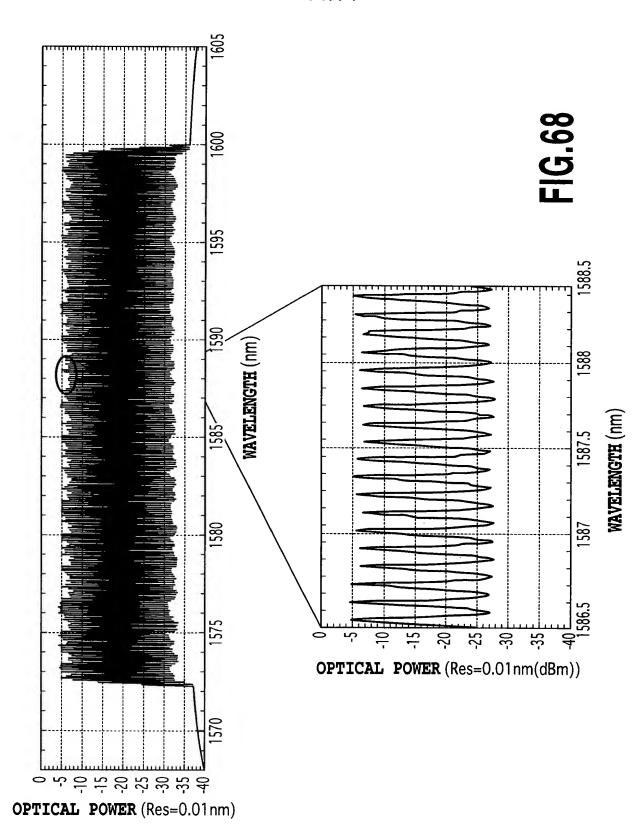
FIG.67A

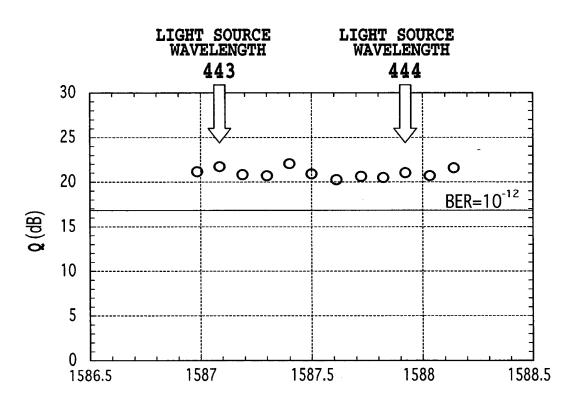


EVEN-NUMBER-TH LIGHT SOURCE WAVELENGTH AND SIDE MODES

FIG.67B

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WAVELENGTH (nm)

FIG.69

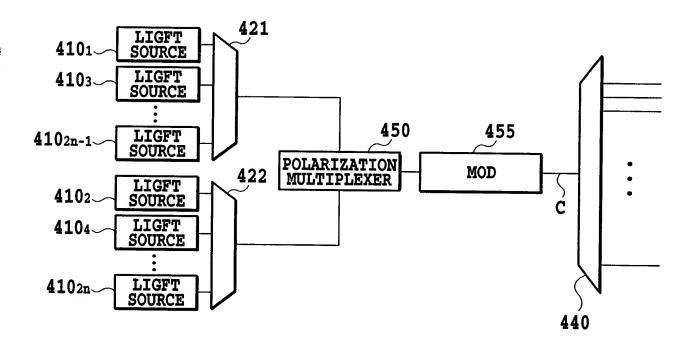


FIG.70

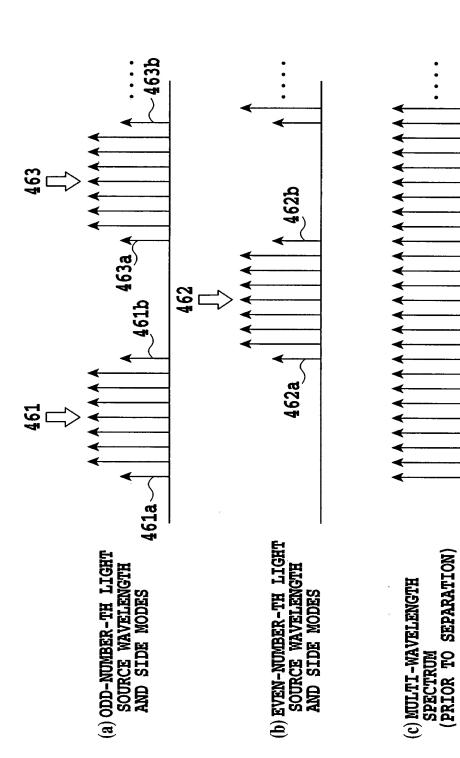


FIG.71